Product Evaluation

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-859

Effective Date: June 1, 2017
Re-evaluation Date: July 2021

Product Name: Clad Ultimate and Wood Ultimate Wood Sliding French Doors, Impact Resistant

Manufacturer: Marvin Windows and Doors
P.O. Box 100
Highway 11 West
Warroad, MN 56763
218-386-4021

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Clad Ultimate Wood Sliding French Door IZ3; OXO	LC-PG55 146.75 x 95.5-SD Missile Level D	+55/-65 psf
2	Clad Ultimate Wood Sliding French Door IZ3; OXXO	LC-PG50 191 x 95.5-SD Missile Level D	+50/-55 psf
3	Wood Ultimate Wood Sliding French Door IZ3; XO	LC-PG55 96.6 x 95.5 Missile Level D	+55/-65 psf

Product Dimensions:

System	Overall Door Size (Including Panel Pockets)	Panel Size	Glass Daylight Opening Size
1	146-23/32" x 95-1/2"	49-1/4" x 92-1/2"	39-3/4" x 79-5/8"
2	191" x 95-1/2"	49-1/4" x 92-1/2"	39-3/4" x 79-5/8"
3	96-5/8" x 95-1/2"	49-3/16" x 92-1/2"	39-3/4" x 79-5/8"

Product Identification (Certification Label on Door):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	C Ult Sliding French Door IZ3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-13, ASTM E-1996-14 Missile Level D
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	C Ult Sliding French Door IZ3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-05, ASTM E-1996-12 Missile Level D
3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Marvin Windows and Doors
	Product Name	W Ult Sliding French Door IZ3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-05, ASTM E-1996-12 Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1, 2, 3	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified are acceptable with the limitations specified in this report.

Installation:

Systems 1 and 2 (One of the following):

Option 1: The assembly must be secured to minimum Southern Yellow Pine dimension lumber. The assembly is secured to the wall framing through the frame. The frame head and side jambs are secured to the wall framing with minimum No. 8 x 3" screws. The fasteners are located approximately 6" from each corner and 12" on center. Along the head, the fasteners are located through pre-drilled holes in the panel guide. The frame sill is secured to the wall framing with minimum No. 8 x 3" screws. Three screws are located through the oak sill liner at each interlocking stile and five screws are located at the bi-parting stiles. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

Option 2: The assembly must be secured to minimum Southern Yellow Pine dimension lumber. The assembly is secured to the wall framing through the frame. The frame head is secured to the wall framing with minimum No. 8 x 3" screws. The fasteners are located approximately 6" from each corner and 12" on center through pre-drilled holes in the panel guide. The side jambs are secured to the wall framing with structural brackets (1.563" x 5.151" x 0.050" galvanized steel). The brackets are secured to the frame with two No. 8 x 5/8" screws. The brackets are secured to the wall framing with two No. 8 screws. The brackets are located approximately 6" from each corner and 12" on center. The frame sill is secured to the wall framing with minimum No. 8 x 3" screws. Three screws are located through the oak sill liner at each interlocking stile and five screws are located at the bi-parting stiles. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

System 3 (One of the following):

Option 1: The assembly must be secured to minimum Southern Yellow Pine dimension lumber. The assembly is secured to the wall framing through the frame. The frame head and side jambs are secured to the wall framing with minimum No. 8 x 3" screws. The fasteners are located approximately 6" from each corner and 12" on center. In addition, along the head, ten minimum No. 10 x 3" screws are located through the header guide cover and head jamb. Along the lock jamb, two No. 8 x 3" screws are located through each lock keeper. The frame sill is secured to the wall framing with minimum No. 10 x 3" screws. Three screws are located through the oak sill liner. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

Option 2: The assembly must be secured to minimum Southern Yellow Pine dimension lumber. The assembly is secured to the wall framing through the frame. The head and side jambs are secured to the wall framing with structural brackets (1.563" x 5.151" x 0.050" galvanized steel). The brackets are secured to the frame with two No. 8 x 5/8" screws. The brackets are secured to the wall framing with two No. 8 screws. The brackets are located approximately 6" from each corner and 15" on center. In addition, along the head, ten minimum No. 10 x 3" screws are located through the header guide cover and head jamb. Along the lock jamb, two No. 8 x 3" screws are located through each lock keeper. The frame sill is secured to the wall framing with minimum No. 10 x 3" screws. Three screws are located through the oak sill liner. All fasteners must be long enough to penetrate a minimum of 1-1/2" into the wall framing.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.